Application/Control No. Applicant(s)/Patent under Index of Claims Reexamination 10/722,114 HOEMANN, MICHAEL Z. Examiner **Art Unit** 1625 Rita J. Desai (Through numeral) Rejected Non-Elected **Appeal** N Cancelled Α 0 ÷ Allowed Restricted Interference Objected

The color of the	Cla	aim	Ι'''-			Date) [Cla	im	<u> </u>			Date	-			ı	Cli	aim				ate			
	Oil	1	<u> </u>		T	T	ī	\neg	$\neg \neg$	1 1	-0:6						_	\neg				21111		Г	<u> </u>	T	· 1		
\$\frac{\psi}{2}\$	inal	ginal	×								nal	ginal						ĺ			nal	ginal							
\$\frac{5}{2}\$ \$\frac{5}{2}\$ \$\frac{5}{3}\$ \$\frac{5}{4}\$ \$\frac{5}{5}\$ \$\frac{5}{106}\$ \$\frac{1}{6}\$ \$\frac{1}{10}\$ \$\frac{5}{10}\$ \$\frac{5}{6}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{110}\$	ΙŢ	ő									üΞ	O.									Ë	Ö					- {		
\$\frac{5}{2}\$ \$\frac{5}{2}\$ \$\frac{5}{3}\$ \$\frac{5}{4}\$ \$\frac{5}{5}\$ \$\frac{5}{106}\$ \$\frac{1}{6}\$ \$\frac{1}{10}\$ \$\frac{5}{10}\$ \$\frac{5}{6}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{100}\$ \$\frac{1}{110}\$		1	(2)	_	+		Н	十		1 1		51	1	_	\top	\top	\neg	\dashv	十	İ		101	+	\vdash	Н	\dashv	ᅥ	十	+
\$ 103 103 104 55 105				\dashv	+		\vdash	-+	+	1 1		45	\vdash	+	+-	+-	\dashv	+	+				\dashv	╁		\dashv	\dashv	\dashv	+
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\vdash	\dashv	+	1-	Н	\rightarrow	+	1 1		1/2	\vdash	-	+-	+-	-	+	+		_		+	+	H	\dashv	\dashv	\dashv	
55			\vdash	\dashv	╁	+	\vdash	\dashv	+	1 1			-		+-	+	\dashv	-	+		_		+	₩	Н	\dashv	\dashv	\dashv	+
6			\vdash	+	+-	-	\vdash	-+		┨		D4 EE	\vdash	-		+	\dashv				_		+	╁	\vdash	\dashv	\dashv	+	+
107			├	\dashv	+	\vdash	\vdash	\dashv		┨			Н	-	+	+	\dashv	+	+-				-	-	\vdash	-	-	-+	
\$\begin{array}{c c c c c c c c c c c c c c c c c c c		<u> </u>	┥		+	-		-+	+	1 1			Н	\dashv	-	+	\dashv	-	+-	ł	⊢–		+	1	\vdash	\dashv	-	+	+
\$		1	Н	\dashv	+	-	\vdash	-		1 1			\vdash	-+		+			+	1			-	-		4	4	-	
10			┝	\dashv	+-	\vdash	\vdash	\dashv							+	-	\dashv	-	+	l			+	\vdash	\vdash	-	-	\dashv	\dashv
11			Н	\rightarrow	\perp		\vdash	-					Н	\dashv	+	+	\dashv	-	+	l					_	-	4	4	-
12			\vdash			\vdash	\sqcup	-	-				\sqcup			4		_		l				-		4	_		-
13			_		4_	\vdash	$\mid \perp \mid$	4	-				\sqcup	_	4	44	\sqcup	- -	+	l	<u> </u>			 	Ш	_	_	4	_ _
11			\sqcup		_	\sqcup	Щ	_					Ш		4	\perp		_	\bot	1	<u> </u>			1		_	_	4	\perp
15			\sqcup	_ _	_	\perp	Ш	\perp						\perp	\perp	1	\Box	\perp					\bot	<u> </u>	Ш		_	_	
16			Ш	_	_	Ш	Ш	_							\perp	$oldsymbol{\perp}$	Ш	\perp	4_					$oldsymbol{oldsymbol{oldsymbol{eta}}}$	Ш	\Box			
117				_ļ_	_											1		_		[115	_ _	L					_ _
18			Ш		\perp	\perp	\square] [66	Ш																
120							\sqcup											L						1 .					
120		18					LI	[] [68																	
120		19			Т		П] [69		П	Т							119							
121		20	П				П	\neg		1 [70										120							
22 73 72 123 123 124 124 124 124 125 125 125 125 125 126 127 127 128 127 128 129 129 129 129 130 130 131 132 132 132 132 133 131 132 132 132 133 133 133 133 134 134 134 133 133 133 134 134 134 134 134 134 134 134 134 134 134 134 135 136 136 136 137 137 137 137 138 138 138 138 138 139 140 140 140 141 141 141 142 142 142 143 144 144 144 144 144 144 144 144 144 144 144 144 144 144 144 145 146 147 148 148 149 149 1449 1449 1		2		$\neg \vdash$	\top		П		$\neg \vdash$	1 1		71			\neg		\Box			1		121				T	\neg		
23 78 123 124 125 126 125 126 125 126 126 126 126 126 127 128 127 128 129 128 129 130 130 130 130 131 131 132 133 133 133 133 133 133 133 133 133 133 134 134 134 134 134 134 134 134 134 135 135 135 136 136 137 137 138 138 138 138 139 140 140 141 141 141 141 141 141 141 141 141 142 143 144 144 144 144 144 144 144 144 144 144 144 145 146 147 148 148 148 148 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149		22			1		П		\top	1 1		72				\top			1	1		122	T				一	T	
24 124 25 76 25 126 27 127 28 78 29 79 30 80 31 130 32 82 33 132 33 84 35 85 35 86 37 136 37 88 33 84 33 85 35 86 37 137 38 138 39 139 40 99 41 99 44 94 44 94 44 94 44 94 48 99 48 99 48 99 48 99 49 146 47 147 48 99 49 148 49 149		23		T T	İ					1 1									1	1			1					T	
125		24		\dashv	1		П	ヿ	\neg	1 1				\neg	\top	1			\top	ĺ								╛	
25 76 126 127 128 127 128 128 128 128 129 129 130 130 131 131 131 131 131 131 132 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 134 134 134 135 135 135 136 137 135 136 137 138 138 138 138 138 138 138 138 138 139 140 141 142 142 142 143 143 143 143 143 144 144 144 144 144 144 144 145 146 147 146 147 148 149				_		-	М	\neg	\neg	1 1				$\neg \vdash$	_	 	\Box	T	1-	İ				T			┪		_
27		26		\dashv	+		Н	_	\dashv	1		76	Н			$\dagger =$	\exists	\dashv	\dagger				+	 	Н	\neg	T	十	_
28 78 29 79 30 80 31 81/ 32 82 33 83 34 84 35 85 36 136 37 87 38 138 39 89 40 90 41 94 44 94 44 94 45 96 46 96 47 147 48 98 147 98 148 99 149 149		3/7		+	+-	+-	\vdash	\dashv	\dashv	1 1			\vdash	-	\dashv	╁		\dashv	+		-			t	Н	\dashv	\dashv	十	\top
30		7	\vdash	十	╁╌		\vdash	一	\dashv	1 1				一	\dashv	+	\dashv		╅				\dashv	┼─	H	_	寸	十	_
30		***	\vdash		+-	\vdash	\vdash	\dashv		1 1			\vdash	\dashv	+	+	\vdash	_	+				-	+		-	\dashv	十	- -
31		36		-	╅	\vdash	Н	+	╅	1			\vdash	-	╅	+	\vdash		+	1		130		╁	Н	-	ᅱ	\dashv	+
32		34	\vdash	\dashv	╁	1	Н	-+	+	1 1			H	+	+	+	H	+	+					╁	Н	-	\dashv	\dashv	+
33		30	\vdash	+	+	\vdash	H	+	+	┧			\vdash	\dashv	+-	+	\vdash	+	+			132	+	+	Н	\dashv	\dashv	\dashv	+
35		3/2	-		+	H	H	+	+-	 			\vdash		+	╁	\vdash	+	+		-		+-	╁╌	Н	\dashv	-		+
35		34	 		+-	+	\vdash	\dashv		┨		gu gu	\vdash	-+-		+	-		+-					+-	\vdash	\dashv	\dashv	-	+
36		3	├	\dashv	+	\vdash	Н	\dashv	-			QE	$\vdash\vdash$	\dashv	+	+	\vdash	\dashv	+-	1	\vdash			+			-	+	
37		3D	\vdash	+	+	\vdash	$\vdash \vdash$	\dashv	-+-	{ }		90		+	+	+	\vdash	-	+-		\vdash		+	\vdash	\vdash	-		+	+
38 88 138 39 90 139 40 90 140 41 91 141 42 92 142 43 93 143 94 144 144 45 95 145 46 96 146 47 97 147 48 98 148 49 99 149		3p	$\vdash \vdash$		+	\vdash	$\vdash \vdash$	\dashv				90	\vdash		+	+	\vdash		+		\vdash			\vdash	Н	\dashv		\dashv	
139			$\vdash \vdash$	-	+-	-	-	-		{				-	+	+-	$\vdash \vdash$		+	l				-	Н	\dashv	-	\dashv	+
42 92 √ 43 93 44 94 95 145 46 96 47 97 48 98 49 99		38	$\vdash \vdash$		+-	1-	-	-		{		88	$\vdash \vdash$	\dashv		-	$\vdash \vdash$	+		l	\vdash		\perp	╀	Ш	\dashv	4	\dashv	-
42 92 √ 43 93 44 94 95 145 46 96 47 97 48 98 49 99		39	\sqcup	_	+	\sqcup	\sqcup	_				89	\sqcup		+	\bot	\sqcup		-	l	\vdash	139	+	\vdash	Ш	_		\dashv	- -
42 92 √ 43 93 44 94 95 145 46 96 47 97 48 98 49 99		40	\sqcup		\bot	\sqcup	Щ	_		, ,		9D	\sqcup	_	_	4_	Ш				<u> </u>	140		-	Ш	_	_	\dashv	+
43 93 44 94 95 145 46 96 47 97 48 98 49 99			Ш	\bot	\perp	\sqcup	Ш	\perp		Į Į		91	Щ	\dashv	\bot	_	Щ	\perp					\bot	1	Ш			\dashv	\perp
44 94 144 45 95 145 46 96 146 47 97 147 48 98 148 49 99 149		42								1		92	\sim				Ш			l		142	\perp	_	Ш	_		_	\perp
45 95 46 96 47 97 48 98 49 99		43	Ш	_ _		$oxed{oxed}$	Ш	_]			Ш			\perp				ŀ			\bot	\perp	Ш	\sqcup		_	
46 96 47 97 48 98 49 148		44	Ш				Ш			Į Į		94	$oxed{oxed}$				Ш		\perp			144			Ш			\perp	
47		45					\Box] [95			\perp].		145							
47		46			$oxed{oxed}$					Ιĺ		96		$\Box T$		\prod			\mathbf{I}^{-}]		146							
48 98 148 149 99 149 149 149 1		47			Τ] [97		\Box	Т				T	1		147							
49 99 149 149		48								1		98		丁	\top	\top	\Box		T	1			\top	Γ	П				
50 1 150 150		49	П	$\neg \vdash$	T		\Box			1 1		99	П	\neg	\top	1	\Box	$\neg \vdash$		1		149	\top	1	П		\neg	\neg	\neg
		50	П	\neg	\top		П	\neg	\top	1		100	П	$\neg \vdash$	\top	1	\Box		\top	1		150	\top	1		\neg	\neg	\neg	\neg